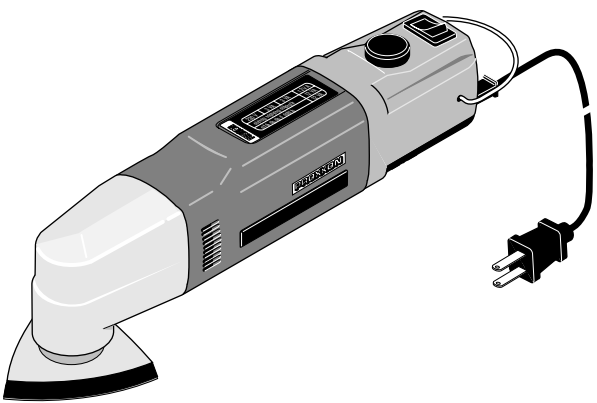
PROXXON

DELTA SANDER OZI 115/E



Manual

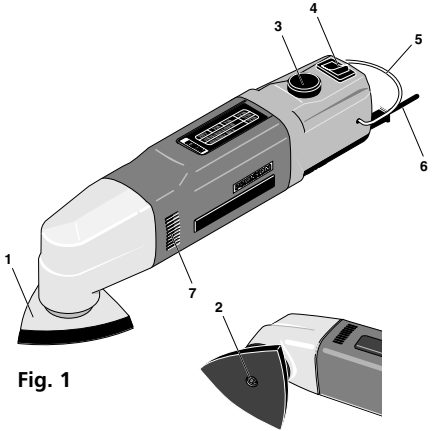


Fig. 1

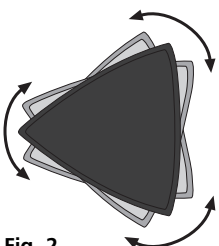


Fig. 2

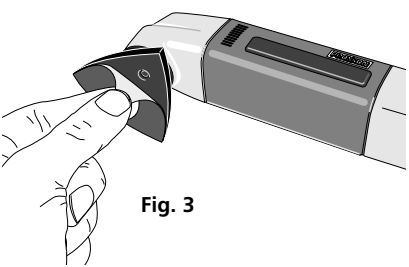


Fig. 3

PROXXON - OZI 115/E

Dear Customer,
Before putting the machine into operation, read the enclosed safety rules and operating instructions.

GENERAL SAFETY RULES

Warning! Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.

Double Insulation ⧈ eliminates the need for the three wire grounded power cord and grounded power supply system.

Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W." These cords are rated for outdoor use and reduce the risk of electric shock.

Personal Safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.

Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

Tool Use and Care

Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

Do not use tool, if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

Use only accessories that are recommended by the manufacturer for your model.
Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES

Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a „live“ wire will make exposed metal parts of the tool „live“ and shock the operator.

Some material may produce harmful or toxic dust (i. e. lead containing paint,some kinds of wood or metal)

Symbols

Important: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Name	Designation/Explanation
V	Volts	Voltage (potential)
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
Ø	Diameter	Size of drill bits, grinding wheels, etc.
n_0	No load speed	Rotational speed, at no load
…/min	Revolutions or reciprocation per minute	Revolutions, strokes, surface speed, orbits etc. per minute
1, 2, 3, …	Selector settings	Speed, torque or position settings. Higher number means greater speed
	Infinitely variable selector	Speed is increasing from narrow end
→	Arrow	Action in the direction of arrow
~	Alternating current	Type or a characteristic of current
⧈	Class II construction	Designates Double Insulated Construction tools.

Operating Instructions

Legend

1. Grinding shoe
2. Screw
3. Speed control button
4. ON/OFF switch
5. Hoop
6. Mains supply cable
7. Ventilation slots

Machine description

The PROXXON Detail Sander MICROMOT OZI 115/E is ideal for grinding difficult-to-reach areas, such as corners, edges, joints and cavities. Thanks to the oscillating grinding plate (Fig. 2), better grinding results are achieved than are possible using Detail Sanders that operate with eccentric action. Additional attachments can be fitted, such as circular saw blades or diamond cutting blades to disaggregate the most disparate materials in inaccessible areas.

This machine features:

- Housing crown made of diecast aluminium for precision ball bearing fit and increased durability under extreme loads.
- Quiet-running, enclosed ventilated full-wave electronic motor.
- Grinding shoe with velcro facing for quick replacement of grinding pads.

Technical data

Motor:	
Voltage	~ 115 V
Power:	100 Watt
Speed	3,000 to 10,000/min

Weight approx. 1,7 lb (780 g)
Characteristic noise emission 74 dB(A)
Noise level may exceed
85 dB(A) during operation.
Ear protection must be worn!
Vibration at handle < 2.5 m/s^2

⧈ Double insulated tool

Proper handling of the machine

Replacing grinding pads

1. Hold grinding pad at one corner (Fig. 3) to remove.
2. Place new grinding pad on grinding shoe to fit, and then press on firmly.

Note:

Replace dull grinding pads promptly. To make optimal use of individual grinding pads, offset pads at 120° after each use.

Removing, installing and rotating grinding shoe

It may be necessary to rotate the grinding shoe to access hard to-reach areas.

Important:

Unplug machine before replacing or turning shoe!

1. Remove grinding pad (Fig. 3)
2. Detach screw **2** (Fig. 1) using Allen wrench. In the event that screw is jammed, exert load moment against grinding shoe to avoid unnecessary mechanical stress.
3. Replace grinding shoe, or rotate to desired position.
4. Re-tighten screw without exceeding tightening torque of 5 Nm.

Important!

Always ensure that only suitable attachments are used. Always observe the relevant safety precautions.

Operating the machine

Important!

Always wear protective goggles when operating the machine.

1. Switch on machine at switch **4** (Fig. 1) and set the appropriate speed at button 3.

Note:

For optimal grinding, apply requisite uniform speed. Applying excessive pressure does not achieve improved grinding results and increases heat build-up.

2. When holding machine, do not cover ventilation slots **7** (Fig. 1).

Note:

In the event that machine overheats, switch it off immediately and allow to cool.

Care and maintenance

Important!

Unplug machine prior to maintenance!

Always ensure that ventilation slots remain unobstructed.
Check power supply cable at regular intervals for damage. In the event that cable is damaged, have a qualified technician replace it.

The power cord shall be replaced by part no. 38520-32 only, if the cord is damaged.

Accessoires

For safe operation, it is recommended that only PROXXON-accessories be used with this product, i. e. the following:

Sanding pads 28880: (80 grit-5 sheets)
Sanding pads 28882: (150 grit-5 sheets)
Sanding pads 28886: (280 grit-5 sheets)

Polishing set: 28888

A complete line of accessories is available in our catalogue, or visit our website under www.proxxon.com.

Spare parts list

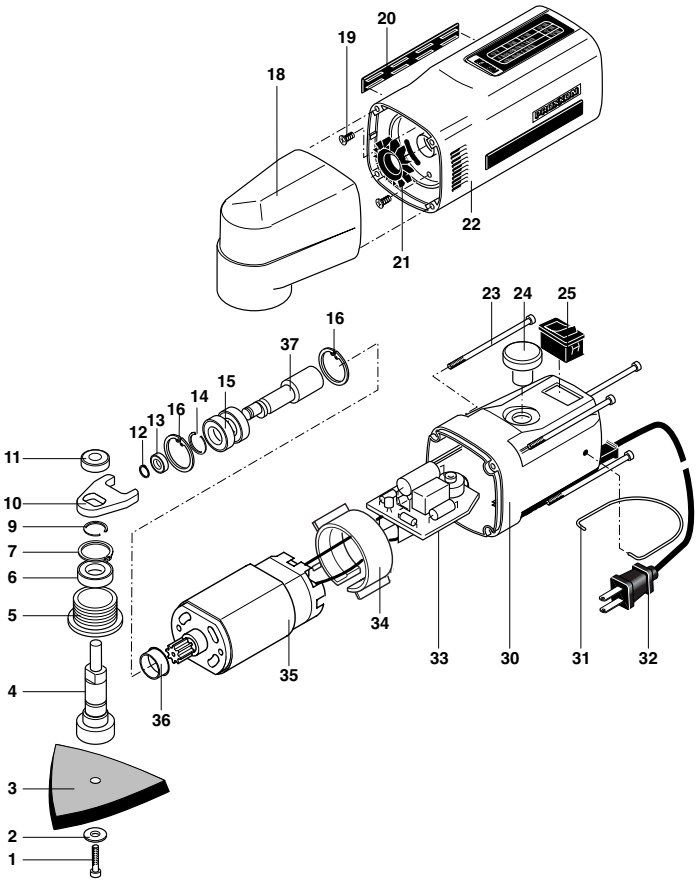
Please order spare parts in writing from Proxxon Service center (Adress on the back of this manual)

PROXXON Delta Sander OZI 115/E No 38520

Part No	Designation	Part No	Designation
28520 - 01	Screw	28520 - 22	Motor housing incl. protective strip
28520 - 02	Washer		
28520 - 03	Grinding shoe	28520 - 23	Housing screw
28520 - 04	Shaft	28520 - 24	Control knob
28520 - 05	Nut	28520 - 25	Switch
28520 - 06	Ball bearing	28520 - 30	Cap
28520 - 07	Circlip	28520 - 31	Bow
28520 - 09	Circlip	38520 - 32	Power cord incl. plug and grommet
28520 - 10	Lever		
28520 - 11	Sintered bearing	38520 - 33	Board
28520 - 12	Circlip	28520 - 34	Back-up-ring
28520 - 13	Ball bearing	38520 - 35	Motor incl. Pinion gear
28521 - 14	Circlip	28520 - 36	Centering ring
28520 - 15	Ball bearing	28520 - 37	Shaft
28520 - 16	Circlip	28520 - 38	Pinion gear
28520 - 18	Gear head	38520 - 97	Packaging (not shown)
28520 - 19	Motor fastening screws	38520 - 99	Manual incl. security instructions (not shown)
28520 - 20	Protective strip		
28520 - 21	Fan		

LIMITED WARRANTY OF PROXXON POWER TOOLS FOR HOME USE

Prox-Tech, Inc., (“Seller”) warrants to the original purchaser only, that all PROXXON consumer power tools will be free from defects in material or workmanship for a period of two years from the date of purchase. Seller’s sole obligation and your exclusive remedy under this limited warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Station. In the event of a failure of a product to conform to this written warranty, please refer to the Service and Repair section on the back of this manual and take action accordingly. This Limited Warranty does not apply to accessory items such as circular saw blades, drill bits, router bits, jigsaw blades, sanding belts, grinding wheels and other related items. Damage to the product resulting from tampering, accident, abuse, negligence, unauthorized repairs or alterations, unapproved attachments or other causes unrelated to problems with material or workmanship are not covered by this warranty. Any implied warranties shall be limited in duration to two years from date of purchase. Some states in the U.S. and some Canadian provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. In no event shall seller be liable for any incidental or consequential damages (including but not limited to liability for loss of profits) arising from the sale or use of this product. Some states in the U.S. and some Canadian provinces do not allow the exclusion or limitation of incidental or consequential damages; so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state in the U.S., province to province in Canada and from country to country. This limited warranty applies only to PROXXON power tools sold within the United States of America, Canada, the commonwealth of Puerto Rico and Mexico. For warranty coverage within other countries contact your local PROXXON Importer.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PROXXON

SERVICE AND REPAIR

Your device does not work properly? Please read the operating instructions again carefully. If the unit is in fact defective, please send it to:

Prox-Tech, Inc.
Attn.: PROXXON Service Center
2555 Tate Blvd. S.E.
PO Box 1909
Hickory, NC 28603-1909

Please make sure, that your tool is **carefully packaged** and include a copy of your **dated proof of purchase**. You will help us to react even quicker, if you describe the problem in short and please **don't forget to include your name, address and daytime telephone number**. We will respond in a prompt and reliable manner.

Spare Parts

You can also order any necessary **spare parts** from our Service Center at the above address. Please check the **article-number** of the tool concerned on the nameplate of the tool and define the part needed by using the **explosion drawing** in the manual that came with the tool. **Every part has a specific number** (5 digit-XX). Please provide us with this number when ordering.

For any further information call us toll free at **1-877-PROXXON** (1-877-776 9966) or visit us on the web at www.proxxon.com/us.

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We reserve the right to make further alterations for the purpose of technical progress.